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CPY - OSAG

DC - J04 S03

DR - 1512-U 1669-U 1724-U

FS - CPI;EPI

IC - B01J20/20 ; G01N30/48

MC - J01-D01A J04-B01C

- S03-E09C5

PA - (OSAG ) OSAKA GAS CO LTD

PN - JP2193066 A 19900730 DW199036 000pp

PR - JP19890012256 19890120

XA - C1990-117901

XIC - B01J-020/20 ; G01N-030/48

XP - N1990-210593

AB - J02193066 Filler is an activated carbon with fine pores and (i) it is optically anisotropic, (ii) no less than 90% of the whole comprises particles of max. dia. 80 microns, and (iii) no less than 85% of the total pore vol. is constituted by micropores of max. dia. 20 Angstroms. Pref. non-polar gp. or polar functional gp. are introduced in granular activated carbon, pref. activated mesocarbon microbeads.

- ADVANTAGE - The specific surface area and pore vol. are large, exhibiting a high performance in sepn., even without pretreatment. The mechanical strengths are high and resistance to heat, chemicals, swelling and shrinkage are excellent. The spherical particles are easy to fit in a column.
- In an example, mesocarbon microbeads activated with KOH having a specific surface area of 2000 m<sup>2</sup>/g were treated with conc. HNO<sub>3</sub> at 60 deg.C for 30 mins. to introduce carboxyl gp.. Then octadecyl gp. was introduced. (6pp Dwg.No.0/4)in

IW - COLUMN FILL LIQUID CHROMATOGRAPHY OPTICAL ANISOTROPE ACTIVATE CARBON  
NON POLE POLE FUNCTION GROUP

IKW - COLUMN FILL LIQUID CHROMATOGRAPHY OPTICAL ANISOTROPE ACTIVATE CARBON  
NON POLE POLE FUNCTION GROUP

NC - 001

OPD - 1989-01-20

ORD - 1990-07-30

PAW - (OSAG ) OSAKA GAS CO LTD

TI - Column filler for liq. chromatography - has optically anisotropic activated carbon with non-polar or polar functional gps.